Page 1 of 38

SITE INFORMATION

Closure Report Fiddle Fire Fed Com CTB Incident ID: nAPP2416452944 Unit E Sec 23 T24S R28E 32.2060289°, -104.0640152° Eddy County, New Mexico

Produced Water Release Point of Release: Clamp Failure Release Date: 06.12.2024 Volume Released: 12 Barrels of Produced Water Volume Recovered: 0 Barrels of Produced Water

CARMONA RESOURCES

Prepared for: Marathon Oil Corporation 990 Town and Country Blvd, Houston, Texas 77024

Prepared by: Carmona Resources, LLC 310 West Wall Street Suite 500 Midland, Texas 79701

> 310 West Wall Street, Suite 500 Midland TX, 79701 432.813.1992



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- APPENDIX B NOR / INITIAL C-141 / C141 LINER NOTIFICATIONS / NMOCD CORRESPONDENCE
- APPENDIX C SITE CHARACTERIZATION AND GROUNDWATER



July 17, 2024

Mike Bratcher District Supervisor Oil Conservation Division, District 2 811 S. First Street Artesia, New Mexico 88210

Re: Closure Report Fiddle Fire Fed Com CTB Marathon Oil Corporation Incident ID: nAPP2416452944 Site Location: Unit E, S23, T24S, R28E (Lat 32.2060289°, Long -104.0640152°) Eddy County, New Mexico

Mr. Bratcher:

On behalf of Marathon Oil Corporation, Carmona Resources, LLC has prepared this letter to document the Fiddle Fire Fed Com CTB site activities. The site is located at 32.2060289°, -104.0640152° within Unit E, S23, T24S, R28E, in Eddy County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the Notice of Release obtained from the New Mexico Oil Conservation Division (NMOCD), the incident was discovered on June 12, 2024, due to clamp failure on a Victaulic valve near the separator inside the secondary containment. The incident released approximately twelve (12) barrels of produced water, with zero (0) barrels of produced water recovered. All fluids were contained within the lined facility. See Figure 3. The Notice of Release form is attached in Appendix B.

2.0 Site Characterization and Groundwater

The site is located within a medium karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, two known water sources are within a 0.50-mile radius of the location. The nearest well is located approximately 0.20 miles Northwest of the site in S23, T24S, R28E and was drilled in 2018. The well has a reported groundwater depth of 370' feet below the ground surface (ft bgs). The second closest well is located approximately 0.45 miles Southwest of the site in S22, T24S, R28E and was drilled in 2017. The well has a reported groundwater depth of 120' feet below the ground surface (ft bgs). A copy of the associated point of diversion is attached in Appendix C.

3.0 NMAC Regulatory Criteria

Per the NMOCD regulatory criteria established in 19.15.29.12 NMAC, the following criteria were utilized in assessing the site.

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 2,500 mg/kg (GRO + DRO + MRO).
- TPH: 1,000 mg/kg (GRO + DRO).
- Chloride: 20,000 mg/kg.



4.0 Liner Inspection Activities

On June 19, 2024, Carmona Resources, LLC conducted liner inspection activities to assess the liner's integrity within the facility. Prior to the liner inspection, the NMOCD division office was notified via web portal on June 17, 2024, per Subsection D of 19.15.29.12 NMAC. See Appendix B. Carmona Resources, LLC personnel inspected the liner visually and found it to be intact with no integrity issues. Refer to the Photolog.

5.0 Conclusions

Based on the liner inspection throughout the facility, no further actions are required at the site. The final C-141 is attached, and Marathon formally requests the closure of the spill. If you have any questions regarding this report or need additional information, please contact us at 432-813-1992.

Sincerely, Carmona Resources, LLC

Clinton Merritt Sr. Project Manager

M

Ashton Thielke Sr. Project Manager











APPENDIX A

CARMONA RESOURCES

Received by OCD: 7/18/2024 9:57:56 AM

PHOTOGRAPHIC LOG

Marathon Oil Corporation



PHOTOGRAPHIC LOG

Marathon Oil Corporation

Photograph No. 4 NW NE E Processor Gounty: Eddy County, New Mexico 0 30°NE (T) LAT: 32.2057/45 LON:-104.063339 ±13/t A 2997/t Description: View Northeast of the lined facility. Image: County in the lined facility. Photograph No. 5 Facility: Fiddle Fire Fed Com CTB O 30°NE (T) LAT: 32.2057/45 LON:-104.063339 ±13/t A 2996/t County: Eddy County, New Mexico NW NE C Description: View Northeast of the lined facility. NW NE C County: Eddy County, New Mexico NW NE C 0 30°NE (T) LAT: 32.2057/31 LON:-104.063398 ±13/t A 2996/t Description: View Northeast of the lined facility. NW NE C 0 30°NE (T) LAT: 32.2057/01 LON:-104.063398 ±13/t A 2996/t Photograph No. 6 S NW NW NE C 0 30°NE (T) LAT: 32.2057/01 LON:-104.063398 ±13/t A 2993/t 0 348°N (T) LAT: 32.2057/01 LON:-104.063398 ±13/t A 2993/t C Photograph No. 6 S NW NE C C 0 348°N (T) LAT: 32.2057/01 LON:-104.063398 ±13/t A 2993/t C County: Eddy County, New Mexico S 0 348°N (T) LAT: 32.2057/01 LON:-104.063398 ±13/t A 2993			
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Description: View North of the lined facility.	Facility:	Fiddle Fire Fed Com CTB	
View North of the lined facility.	County:	Eddy County, New Mexico	
06/19/24 16:46	View North of	the lined facility.	
			06/19/24 16:46

Received by OCD: 7/18/2024 9:57:56 AM

PHOTOGRAPHIC LOG

Marathon Oil Corporation



APPENDIX B

CARMONA RESOURCES

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS

Page 14 bf 38

Action 353508

QUESTIONS

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098 Action Number: 353508		
	Action Type: [NOTIFY] Notification Of Release (NOR)		
QUESTIONS			
Location of Release Source			
Please answer all the questions in this group.			
Site Name	Fiddle Fire CTB		
Date Release Discovered	6/12/2024		
Surface Owner	Private		
Incident Details			
Please answer all the questions in this group.			
Incident Type	Produced Water Release		
Did this release result in a fire or is the result of a fire	No		
Did this release result in any injuries	No		
Has this release reached or does it have a reasonable probability of reaching a watercourse	No		
Has this release endangered or does it have a reasonable probability of endangering public health	No		
Has this release substantially damaged or will it substantially damage property or the environment	No		
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No		
Network and Malance of Delivery			
Nature and Volume of Release Material(s) released, please answer all that apply below. Any calculations or specific justifications fo	w the volumes arguided should be attached to the follow up C 111 submission		
Crude Oil Released (bbls) Details	Not answered.		
Produced Water Released (bbls) Details	Cause: Equipment Failure Valve Produced Water Released: 12 BBL Recovered: 0 BBL Lost: 12 BBL.		
Is the concentration of chloride in the produced water >10,000 mg/l	Yes		
Condensate Released (bbls) Details	Not answered.		
Natural Gas Vented (Mcf) Details	Not answered.		
Natural Gas Flared (Mcf) Details	Not answered.		
Other Released Details	Not answered.		
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Release occurred due to clamp failure on victaulic valve near separator		

District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II

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District III

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District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources **Oil Conservation Division** 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS (continued)

Operator:	OGRID:
MARATHON OIL PERMIAN LLC	372098
990 Town & Country Blvd.	Action Number:
Houston, TX 77024	353508
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

QUESTIONS

Is this a gas only submission (i.e. only significant Mcf values reported) No, according to supplied volumes this does not appear to be a "gas only" report. Was this a major release as defined by Subsection A of 19.15.29.7 NMAC No	Nature and Volume of Release (continued)			
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC No	Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.		
	Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No		
Reasons why this would be considered a submission for a notification of a major release	, , , , , , , , , , , , , , , , , , , ,	Unavailable.		
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.				

Initial Response		
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.		
The source of the release has been stopped	True	
The impacted area has been secured to protect human health and the environment	True	
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True	
All free liquids and recoverable materials have been removed and managed appropriately	True	
If all the actions described above have not been undertaken, explain why	Not answered.	
Per Paragraph 4 of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.		

Action 353508

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Released to Imaging: 7/19/2024 1:28:48 PM

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

ACKNOWLEDGMENTS

Operator:	OGRID:
MARATHON OIL PERMIAN LLC	372098
990 Town & Country Blvd.	Action Number:
Houston, TX 77024	353508
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

$\overline{\checkmark}$	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.				
M	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.				
	l acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.				
	I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment.				
V	I acknowledge the fact that the acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment.				
	I acknowledge the fact that, in addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.				

Action 353508

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

CONDITIONS

Operator:	OGRID:
MARATHON OIL PERMIAN LLC	372098
990 Town & Country Blvd.	Action Number:
Houston, TX 77024	353508
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
icastro	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C- 141.	6/12/2024

Page 17 46 38

Action 353508

CMERRITT (AGENT FOR MARATHON OIL PERMIAN LLC) SIGN OUT HELP

	Searches	Operator Data	Submissions	Administration
ACD Pormitting				

OCD Permitting

Operator Data Action Status Action Search Results Action Status Item Details Home

[C-141] Initial C-141 (C-141-V-INITIAL) Application

Submission Informatio			
ous mission mornate			
Submission ID:	356585	Districts:	Artesia
Operator:	[372098] MARATHON OIL PERMIAN LLC	Counties:	Eddy
Description:	MARATHON OIL PERMIAN LLC [372098] , Fiddle Fire CTB , nAPP2416452944		
Status:	APPROVED		
Status Date:	06/21/2024		
References (2):	fAPP2323650079, nAPP2416452944		
Forms			
Attachments:	Volume Calculation		

Questions

Prerequisites

Incident ID (n#)	nAPP2416452944
Incident Name	NAPP2416452944 FIDDLE FIRE CTB @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received
Incident Facility	[fAPP2323650079] FIDDLE FIRE FED COM CTB

Location of Release Source

Please answer all the questions in this group.

Site Name	Fiddle Fire CTB
Date Release Discovered	06/12/2024
Surface Owner	Private

Incident Details

Please answer all the questions in this group.	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a	No
watercourse	
Has this release endangered or does it have a reasonable probability of endangering	No
public health	
Has this release substantially damaged or will it substantially damage property or the	No
environment	
Is this release of a volume that is or may with reasonable probability be detrimental	No
to fresh water	
Nature and Volume of Release	

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details

Not answered.

OCD Permitting

CMERRITT (AGENT FOR MARATHON OIL PERMIAN LLC) SIGN OUT HELP

Other Released Details	Not answered.				
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Release occurred due to clamp failur	e on victaulic valve nea	r separator		
Nature and Volume of Release (continued)					
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes	this does not appea	to be a "gas only" repo	ort.	
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No				
Reasons why this would be considered a submission for a notification of a major release	Unavailable.				
Telease With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas	s only) are to be submitted on the C-129 form.				
nitial Response					
The responsible party must undertake the following actions immediately unless they could create a safety	hazard that would result in injury.				
The source of the release has been stopped	True				
The impacted area has been secured to protect human health and the environment	True				
Released materials have been contained via the use of berms or dikes, absorbent	True				
pads, or other containment devices					
All free liquids and recoverable materials have been removed and managed appropriately	True				
If all the actions described above have not been undertaken, explain why	Not answered.				
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation	n immediately after discovery of a release. If ren	nediation has begun, please	prepare and attach a narrativ	e of actions to date in the follo	w-up C-141 submi
ne follow-up C-141 submission.					
notifications and perform corrective actions for releases which may endanger public heat have failed to adequately investigate and remediate contamination that pose a threat to operator of responsibility for compliance with any other federal, state, or local laws and/o	ith or the environment. The acceptance groundwater, surface water, human hea or regulations.	of a C-141 report by th	e OCD does not relieve ti	ne operator of liability sho	uld their operati
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notifications and perform corrective actions for releases which may endanger public heat have failed to adequately investigate and remediate contamination that pose a threat to opperator of responsibility for compliance with any other federal, state, or local laws and/or I hereby agree and sign off to the above statement Site Characterization Please answer all the questions in this group (only required when seeking remediation plan approval and What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Ith or the environment. The acceptance groundwater, surface water, human hea or regulations. Name: Isaac Castro Email: icastro@marathonoil.com Date: 06/21/2024 beyond). This information must be provided to the Not answered.	of a C-141 report by th	e OCD does not relieve ti In addition, OCD accepta	ne operator of liability sho	uld their operat
notifications and perform corrective actions for releases which may endanger public heat have failed to adequately investigate and remediate contamination that pose a threat to operator of responsibility for compliance with any other federal, state, or local laws and/or I hereby agree and sign off to the above statement Site Characterization Please answer all the questions in this group (only required when seeking remediation plan approval and What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs) What method was used to determine the depth to ground water Did this release impact groundwater or surface water	Ith or the environment. The acceptance groundwater, surface water, human hea or regulations. Name: Isaac Castro Email: icastro@marathonoil.com Date: 06/21/2024 beyond). This information must be provided to the Not answered. Not answered.	of a C-141 report by th	e OCD does not relieve ti In addition, OCD accepta	ne operator of liability sho	uld their operat
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notifications and perform corrective actions for releases which may endanger public heat have failed to adequately investigate and remediate contamination that pose a threat to operator of responsibility for compliance with any other federal, state, or local laws and/or I hereby agree and sign off to the above statement Site Characterization Please answer all the questions in this group (only required when seeking remediation plan approval and What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs) What method was used to determine the depth to ground water Did this release impact groundwater or surface water What is the minimum distance, between the closest lateral extents of the release and what is the minimum distance, between the closest lateral extents of the release and what is the minimum distance, between the closest lateral extents of the release and what is the minimum distance, between the closest lateral extents of the release and when the closest lateral extents of the release and whence the closest lateral extents of the release and wh	Ith or the environment. The acceptance groundwater, surface water, human hea or regulations. Name: Isaac Castro Email: icastro@marathonoil.com Date: 06/21/2024 beyond). This information must be provided to the Not answered. Not answered. Not answered. And the following surface areas:	of a C-141 report by th	e OCD does not relieve ti In addition, OCD accepta	ne operator of liability sho	uld their operat
A continuously flowing watercourse or any other significant watercourse	Ith or the environment. The acceptance groundwater, surface water, human hea or regulations. Name: Isaac Castro Email: icastro@marathonoil.com Date: 06/21/2024 beyond). This information must be provided to the Not answered. Not answered. Not answered. and the following surface areas: Not answered.	of a C-141 report by th	e OCD does not relieve ti In addition, OCD accepta	ne operator of liability sho	uld their operat
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Requesting a remediation plan approval with this submission

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

No

OCD Permitting

CMERRITT (AGENT FOR MARATHON OIL PERMIAN LLC) SIGN OUT HELP

Comments No comments found for Conditions Summary: Reasons	this submission.							
Conditions Summary:								
Summary:	scweils (6/21/2024), None							
	scweils (6/21/2024), None							
Reasons								
No reasons found for th	is submission.							
Fees								
Summary:			Created	Туре	Amount	Status	Saved	
358	8QO-240621-C-1410	Fee	6/21/2024	SB553 A.(2) [ADMIN]	\$150.00	Paid [PAID]	6/21/2024	
		Payment	6/21/2024	Credit Card [CC]	\$150.00	Paid [PAID]	6/21/2024	

Go Back

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EMNRD Home OCD Main Page OCD Rules Help

.

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District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources **Oil Conservation Division** 1220 S. St Francis Dr. Santa Fe, NM 87505

Page 21 bf 38

QUESTIONS

Action 354823

Operator:	OGRID:
MARATHON OIL PERMIAN LLC	372098
990 Town & Country Blvd.	Action Number:
Houston, TX 77024	354823
	Action Type:
	[NOTIFY] Notification Of Liner Inspection (C-141L)

QUESTIONS

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2416452944
Incident Name	NAPP2416452944 FIDDLE FIRE CTB @ 0
Incident Type	Produced Water Release
Incident Status	Notification Accepted
Incident Facility	[fAPP2323650079] FIDDLE FIRE FED COM CTB

Location of Release Source

Site Name	Fiddle Fire CTB
Date Release Discovered	06/12/2024
Surface Owner	Private

Liner Inspection Event Information

Please answer all the questions in this group.	
What is the liner inspection surface area in square feet	20,000
Have all the impacted materials been removed from the liner	Yes
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	06/19/2024
Time liner inspection will commence	04:00 PM

Warning: Notification can not be less than two business days prior to conducting liner inspection.

Please provide any information necessary for observers to liner inspection	Clinton Merritt 432-813-9044
Please provide any information necessary for navigation to liner inspection site	From the intersection of US 285 and NM 721, Travel north on US 285 for 1.0 miles. Turn east onto unmarked lease road and travel 0.04 miles. Turn south onto unmarked lease road and travel 0.22 miles. Turn east onto unmarked lease road and travel 0.2 miles. Job site is on your immediate right.

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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

CONDITIONS

Operator:	OGRID:
MARATHON OIL PERMIAN LLC	372098
990 Town & Country Blvd.	Action Number:
Houston, TX 77024	354823
	Action Type:
	[NOTIFY] Notification Of Liner Inspection (C-141L)

CONDITIONS

Created By	Condition	Condition Date
icastro	Failure to notify the OCD of liner inspections including any changes in date/time per the requirements of 19.15.29.11.A(5)(a)(ii) NMAC, may result in the inspection not being accepted.	6/17/2024

Action 354823

APPENDIX C

CARMONA RESOURCES



370' - Drilled 2018

120' - Drilled 2017

-Fiddle Fire CTB (06.12.2024)

51' GWDB - Drilled 2024

58' - Drilled 2018

Google Earth Released to Imaging: 7/19/2024 1:28:48 PM



3000 1

Received by OCD: 7/18/2024 9:57:56 AM Marathon Oil Permian LLC

Fiddle Fire CTB (06.12.2024)



A REAL PROPERTY AND A REAL

Legend

Page 25 of 38



• Fiddle Fire CTB (06.12.2024) 🯉 High

🥖 Medium

 \mathbb{N}

New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)	(R=POD has been replaced, O=orphaned, C=the file is closed)	-	-					2=NE 3	3=SW 4=SE) aest) (NA) AD83 UTM in me	eters)	(n feet)	
inclor ingit moty	POD Sub-	, , , , , , , , , , , , , , , , , , ,	Q	Q	Q							Depth	Depth	Water
POD Number	Code basin Co CUB	-					Tws 24S	•	X 588026	Y	Distance 318	Well 390		Column
C 04263 POD1	COB	ED	3	1	1	23	245	28E	588026	3563915 🌍	318	390	370	20
C 04222 POD2	CUB	ED	1	2	4	22	24S	28E	587707	3563255 🌍	645	100	40	60
C 03986 POD1	CUB	ED	3	4	2	22	24S	28E	587505	3563502 🌍	723	170	120	50
<u>C 02244</u>	С	LE	3	1	2	22	24S	28E	587224	3563865* 🌍	1009	260		
C 04294 POD1	CUB	ED	4	3	3	23	24S	28E	588169	3562646 🌍	1011	60		
<u>C 02057</u>	С	ED		1	4	14	24S	28E	588956	3564774* 🌍	1342	126	52	74
<u>C 03132</u>	С	ED	1	2	4	15	24S	28E	587616	3564877* 🌍	1358	90	19	71
C 03833 POD1	С	ED	2	1	2	26	24S	28E	589014	3562545 🌍	1370	96	55	41
C 04180 POD1	CUB	ED	2	1	2	26	24S	28E	589055	3562502 🌍	1429	160	58	102
C 04181 POD2	С	ED	3	2	1	26	24S	28E	588393	3562212 🌍	1455	80	56	24
C 04151 POD1	CUB	ED	4	2	1	26	24S	28E	588584	3562192 🌍	1511	280	65	215
C 04181 POD1	CUB	ED	3	2	1	26	24S	28E	588450	3562146 🌍	1529	280	56	224
C 03358 POD1	CUB	ED	1	4	1	26	24S	28E	588416	3562116 🌍	1554	135		
C 03423	CUB	ED	2	4	1	26	24S	28E	588786	3561952 🌍	1798	126		
<u>C 00346</u>	С	ED		2	2	15	24S	28E	587715	3565591* 🌍	1997	90	32	58
										Avera	ge Depth to	Water:	83	feet
											Minimum	Depth:	19	feet
											Maximum	Depth:	370	feet
Record Count: 15														
UTMNAD83 Radius	Search (in meters	s):												
						00								

*UTM location was derived from PLSS - see Help

Easting (X): 588212.21

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

6/13/24 12:55 PM

Northing (Y): 3563656.85

Radius: 2000

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New Mexico Office of the State Engineer **Point of Diversion Summary**

			(quarters	are 1=N	W 2=N	VE 3=SW	(4=SE)			
			(quarter	s are sma	allest to	o largest)		(NAD83		
Well Tag	POD	Number	Q64 Q	16 Q4	Sec	Tws	Rng	Х	X Y	
NA	C 0	4263 POD1	3	1 1	23	24S	28E	588026	3563915 🌍	
Driller Lic	ense:	1690	Driller C	ompai	ny:	VIS	ION RI	ESOURCE	S, INC	
Driller Na	me:	JASON MALEY								
Drill Start	Date:	09/12/2018	Drill Fin	ish Da	te:	0	9/13/201	18 F	'lug Date:	
Log File D	ate:	10/04/2018	PCW Rc	v Date	:			S	ource:	Shallow
Ритр Тур	e:		Pipe Dise	Pipe Discharge Size:					Estimated Yield:	
Casing Siz	e:	8.00	Depth W	ell:		3	90 feet	Ι	Depth Water:	370 feet
X	Wate	er Bearing Stratifi	cations:	Т	op I	Bottom	Desci	ription		
				3:	50	390	Other	r/Unknowr	l	
X		Casing Perf	orations:	Т	op I	Bottom				
				29	90	390				

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9/14/23 1:15 PM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer **Point of Diversion Summary**

			(quarters	s are 1=NV	W 2=N	E 3=SW	4=SE)			
			(quarte	rs are sma	llest to	o largest)		(NAD83 U	TM in meters)	
Well Tag	POD	Number	Q64 Q	216 Q4	Sec	Tws	Rng	Х	Y	
NA	C 0	3986 POD1	3	4 2	22	24S	28E	587505	3563502 🧲	
^x Driller Lio	cense:	1690	Driller (Compan	y:	VIS	ION RI	ESOURCES	5, INC	
Driller Na	me:	MALEY, JASON								
Drill Start	t Date:	01/09/2017	Drill Fin	nish Dat	e:	0	/10/20	17 P	ug Date:	
Log File D	Date:	01/16/2017	PCW Ro	ev Date:	:			Se	ource:	Shallow
Pump Typ	e:		Pipe Dis	charge	Size:			E	stimated Yield:	:
Casing Size: 6.00		Depth W	Depth Well:			170 feet		Depth Water:		
X	Wate	er Bearing Stratifi	cations:	To	p l	Bottom	Desc	ription		
				12	20	150	Sand	stone/Grave	el/Conglomerate	e
				15	55	170	Sand	stone/Grave	el/Conglomerate	e
X		Casing Perf	orations:	Τα	p I	Bottom				
				9	00	170				

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6/13/24 12:56 PM

POINT OF DIVERSION SUMMARY



Comments : (3/13/24) Boring terminated at 51.0' with no presence of groundwater or moisture. (3/18/24) Bore measured at 51.0' using Heron Groundwater Meter, no detection of moisture inside bore.



New Mexico Office of the State Engineer **Point of Diversion Summary**

			(quarters) (quarters)					(NAD83 UT	M in meters)	
Well Tag	POD	Number	Q64 Q1			0 /		X	Y	
NA	C 04	4180 POD1	2	1 2	26	24S	28E	589055	3562502 🌍	
Driller Lic	ense:	1706	Driller C	ompai	ny:	ELI	TE DRI	LLERS CO	RPORATION	
Driller Na	me:	WALLACE, BRY	YCE J.							
Drill Start	Date:	01/08/2018	Drill Fini	ish Da	te:	0	1/10/201	8 Plu	ig Date:	
Log File D	ate:	01/31/2018	PCW Rev	v Date	:			So	arce:	Shallow
Pump Typ	e:		Pipe Disc	harge	Size:			Est	imated Yield:	100 GPM
Casing Size: 9.00		Depth W	Depth Well:			160 feet		Depth Water:		
ζ.	Wate	er Bearing Stratif	ications:	Т	op I	Bottom	Descr	ription		
					20	100) Limes	stone/Dolom	ite/Chalk	
				10	00	160) Limes	stone/Dolom	ite/Chalk	
K		Casing Per	forations:	Т	op I	Bottom	ı			
				4	40	160)			

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

9/14/23 1:14 PM

POINT OF DIVERSION SUMMARY

FEMA National Flood Hazard Layer (NFHL)



Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, EPA, USDA

FEMA National Flood Hazard Layer (NFHL)



0.3mi

Maxar | Esri Community Maps Contributors, New Mexico State University, Texas Parks & Wildlife, © OpenStreetMap, Microsoft, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS

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District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS

Action 364798

QUESTIONS				
Operator:	OGRID:			
MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	372098			
	Action Number:			
	364798			
	Action Type:			
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)			

QUESTIONS

Prerequisites					
Incident ID (n#)	nAPP2416452944				
Incident Name	NAPP2416452944 FIDDLE FIRE CTB @ 0				
Incident Type	Produced Water Release				
Incident Status	Remediation Closure Report Received				
Incident Facility	[fAPP2323650079] FIDDLE FIRE FED COM CTB				

Location of Release Source

Please answer all the questions in this group.						
Site Name	Fiddle Fire CTB					
Date Release Discovered	06/12/2024					
Surface Owner	Private					

Incident Details

Please answer all the questions in this group.					
Incident Type	Produced Water Release				
Did this release result in a fire or is the result of a fire	No				
Did this release result in any injuries	No				
Has this release reached or does it have a reasonable probability of reaching a watercourse	No				
Has this release endangered or does it have a reasonable probability of endangering public health	No				
Has this release substantially damaged or will it substantially damage property or the environment	No				
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No				

Nature and Volume of Release Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission. Crude Oil Released (bbls) Details Not answered. Cause: Equipment Failure | Valve | Produced Water | Released: 12 BBL | Recovered: 0 BBL | Produced Water Released (bbls) Details Lost: 12 BBL Is the concentration of chloride in the produced water >10,000 mg/l Yes Condensate Released (bbls) Details Not answered. Natural Gas Vented (Mcf) Details Not answered. Natural Gas Flared (Mcf) Details Not answered. Other Released Details Not answered. Are there additional details for the questions above (i.e. any answer containing Release occurred due to clamp failure on victaulic valve near separator. Spill remained Other, Specify, Unknown, and/or Fire, or any negative lost amounts) inside secondary lined containment. Fluids were recovered and liner was pressure washed.

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QUESTIONS, Page 2

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QUESTIONS (continued) Operator: OGRID: MARATHON OIL PERMIAN LLC 372098 990 Town & Country Blvd. Action Number: Houston, TX 77024 364798 Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Initial Response

Nature and Volume of Release (continued)							
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.						
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No						
Reasons why this would be considered a submission for a notification of a major release	Unavailable.						
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.							

The responsible party must undertake the following actions immediately unless they could create a s	afety hazard that would result in injury.
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for relea the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required asses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or

	Name: Isaac Castro
I hereby agree and sign off to the above statement	Email: icastro@marathonoil.com
	Date: 07/18/2024

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QUESTIONS (continued)

Operator:	OGRID:
MARATHON OIL PERMIAN LLC	372098
990 Town & Country Blvd.	Action Number:
Houston, TX 77024	364798
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release ar	d the following surface areas:
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between ½ and 1 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Requesting a remediation plan approval with this submission	Yes		
ttach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.			
Have the lateral and vertical extents of contamination been fully delineated	Yes		
Was this release entirely contained within a lined containment area	Yes		
	ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMA		
which includes the anticipated timelines for beginning and completing the remediation.			
On what estimated date will the remediation commence	06/17/2024		
	06/17/2024 06/19/2024		
On what estimated date will the remediation commence			
On what estimated date will the remediation commence On what date will (or did) the final sampling or liner inspection occur	06/19/2024		
On what estimated date will the remediation commence On what date will (or did) the final sampling or liner inspection occur On what date will (or was) the remediation complete(d)	06/19/2024		

esponsible party has any need to ogni iiy adju pnysi rıng r significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS (continued)				
Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098 Action Number: 364798 Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)			
QUESTIONS				
Remediation Plan (continued) Please answer all the questions that apply or are indicated. This information must be provided to the This remediation will (or is expected to) utilize the following processes to remediate				
(Select all answers below that apply.)				
Is (or was) there affected material present needing to be removed	Yes			
Is (or was) there a power wash of the lined containment area (to be) performed	Yes			
OTHER (Non-listed remedial process)	Not answered.			
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed eff which includes the anticipated limelines for beginning and completing the remediation.	forts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,			
to report and/or file certain release notifications and perform corrective actions for relea the OCD does not relieve the operator of liability should their operations have failed to a	nowledge and understand that pursuant to OCD rules and regulations all operators are required uses which may endanger public health or the environment. The acceptance of a C-141 report by idequately investigate and remediate contamination that pose a threat to groundwater, surface a does not relieve the operator of responsibility for compliance with any other federal, state, or			
I hereby agree and sign off to the above statement	Name: Isaac Castro Email: icastro@marathonoil.com Date: 07/18/2024			

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS (continued)			
Operator:	OGRID:		
MARATHON OIL PERMIAN LLC	372098		
990 Town & Country Blvd.	Action Number:		
Houston, TX 77024	364798		
	Action Type:		
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)		

QUESTIONS

Liner Inspection Information	bection Information		
Last liner inspection notification (C-141L) recorded	354823		
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	06/19/2024		
Was all the impacted materials removed from the liner	Yes		
What was the liner inspection surface area in square feet	20000		

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed Requesting a remediation closure approval with this submission Yes Have the lateral and vertical extents of contamination been fully delineated Yes Was this release entirely contained within a lined containment area Yes What was the total surface area (in square feet) remediated 0 What was the total volume (cubic yards) remediated 0 Summarize any additional remediation activities not included by answers (above) Release was entirely contained with lined secondary containment of facility. The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents o final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or

ocal laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed					
prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.					
I hereby agree and sign off to the above statement	Name: Isaac Castro Email: icastro@marathonoil.com Date: 07/18/2024				

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CONDITIONS

Action 364798

CONDITIONS Operator: OGRID: MARATHON OIL PERMIAN LLC 372098 990 Town & Country Blvd. Action Number: Houston, TX 77024 364798 Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

(Created By	Condition	Condition Date
	rhamlet	We have received your Remediation Closure Report for Incident #NAPP2416452944 FIDDLE FIRE CTB, thank you. This Remediation Closure Report is approved.	7/19/2024